



10/ 751588

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Darius Martin Sullivan
Assignee: New Transducers Limited
Title: CONTACT SENSITIVE DEVICE
Patent No.: 6,922,642 B2 Issued: July 26, 2005
Atty. Docket No.: 081-0002-1

December 7, 2005

ATTN: Certificate of Correction Branch
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT –
PTO MISTAKE (37 C.F.R. § 1.322(a))**

Dear Sir:

Pursuant to 35 U.S.C. § 254 and 37 C.F.R. § 1.322(a), please issue a Certificate of Correction in the above-identified matter. The mistake(s) to be corrected was made by the Office.

1. Attached hereto is Form PTO/SB/44 (PTO-1050) suitable for printing.
2. The exact page(s) and line number(s) where the error(s) is shown correctly in the application file:
 - Application filed January 5, 2005, page 15, line 20;
 - Application filed January 5, 2005, page 19, line 10;
 - Application filed January 5, 2005, page 19, line 21;
 - Application filed January 5, 2005, page 20, lines 6;
 - Application filed January 5, 2005, page 20, line 12;
 - Application filed January 5, 2005, page 20, line 24;
 - Application filed January 5, 2005, page 31, lines 22-23;
 - Application filed January 5, 2005, page 31, line 24;
 - Application filed January 5, 2005, page 32, line 1;
 - Application filed January 5, 2005, page 32, line 19;
 - Application filed January 5, 2005, page 36, line 20;
 - Application filed January 5, 2005, page 38, line 19;
 - Preliminary Amendment filed October 4, 2004, page 2, Claim 4.

**Certificate
DEC 14 2005
of Correction**

DEC 14 2005

3. Please send the Certificate to:

Mark Zagorin
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Respectfully submitted,



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DEC 14 2005

(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 6,922,642 B2
DATED : July 26, 2005
INVENTOR(S) : Darius Martin Sullivan

It is certified that error(s) appear(s) in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6

Line 57: the words " $\phi_{12}^*(\omega) = \left| \sum_j W_{i,j}(\omega) \hat{W}_{2,j}^*(\omega) \exp[-ik(\omega)\Delta x_j] \right|$ " should read

$$-- \phi_{12}^*(\omega) = \left| \sum_j \hat{W}_{1,j}(\omega) \hat{W}_{2,j}^*(\omega) \exp[-ik(\omega)\Delta x_j] \right| --.$$

Column 8

Line 24: the words "time to at which" should read -- time t_0 at which --.

Line 37: the words " $\Pi_j W_j'(t)$ " should read -- $\prod_j W_j'(t)$ --.

Line 46: the words " $W_j'(t)$ " should read -- $W_j'(t)$ --.

Line 53: the words " $\Pi_j W_j'(t_0)$ " should read -- $\prod_j W_j'(t_0)$ --.

Line 65: the words " $\Pi_j W_j'(t_0)$ " should read -- $\prod_j W_j'(t_0)$ --.

Column 13

Line 24: the words " $W_1'(t)$ and $W_2'(t)$ " should read -- $W_1'(t)$ and $W_2'(t)$ --.

Line 26: the words " $W_1'(t)$ and $W_2'(t)$ " should read -- $W_1'(t)$ and $W_2'(t)$ --.

MAILING ADDRESS OF SENDER:
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Austin, Texas 78731

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CERTIFICATE OF CORRECTION

PATENT NO : 6,922,642 B2

DATED : July 26, 2005

INVENTOR(S) : Darius Martin Sullivan

It is certified that error(s) appear(s) in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 13

Line 48: the words " $G(t) = \frac{1}{2\pi} \int_{-\infty}^{\infty} \hat{W}_1[f(\omega)] \hat{W}_2^*[f(\omega)] \phi_{12}[f(\omega)] \exp(i\omega t) d\omega$ " should read

$$-- G(t) = \frac{1}{2\pi} \int_{-\infty}^{\infty} \hat{W}_1[f(\omega)] \hat{W}_2^*[f(\omega)] \phi_{12}[f(\omega)] \exp(i\omega t) d\omega --.$$

Column 15

Line 22: the words " $\phi_{12}^*(\omega) = \left| \sum_j \hat{W}_{1,j}(\omega) \hat{W}_{2,j}^*(\omega) \exp[-ik(\omega) \Delta x_j] \right|$ " should read

$$-- \phi_{12}^*(\omega) = \left| \sum_j \hat{W}_{1,j}(\omega) \hat{W}_{2,j}^*(\omega) \exp[-ik(\omega) \Delta x_j] \right| --.$$

Column 16

Line 10: the words " $W_1'(t)$ " should read -- $W_1'(t)$ --.

Claim 4

The words "A contact sensitive device according to claim 3, wherein the optimisation maximum value of the product is obtained." should read

-- A contact sensitive device according to claim 3, wherein the optimisation includes iterative refinement of estimates of a location of the contact and a time for which the maximum value of the product is obtained.--.

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